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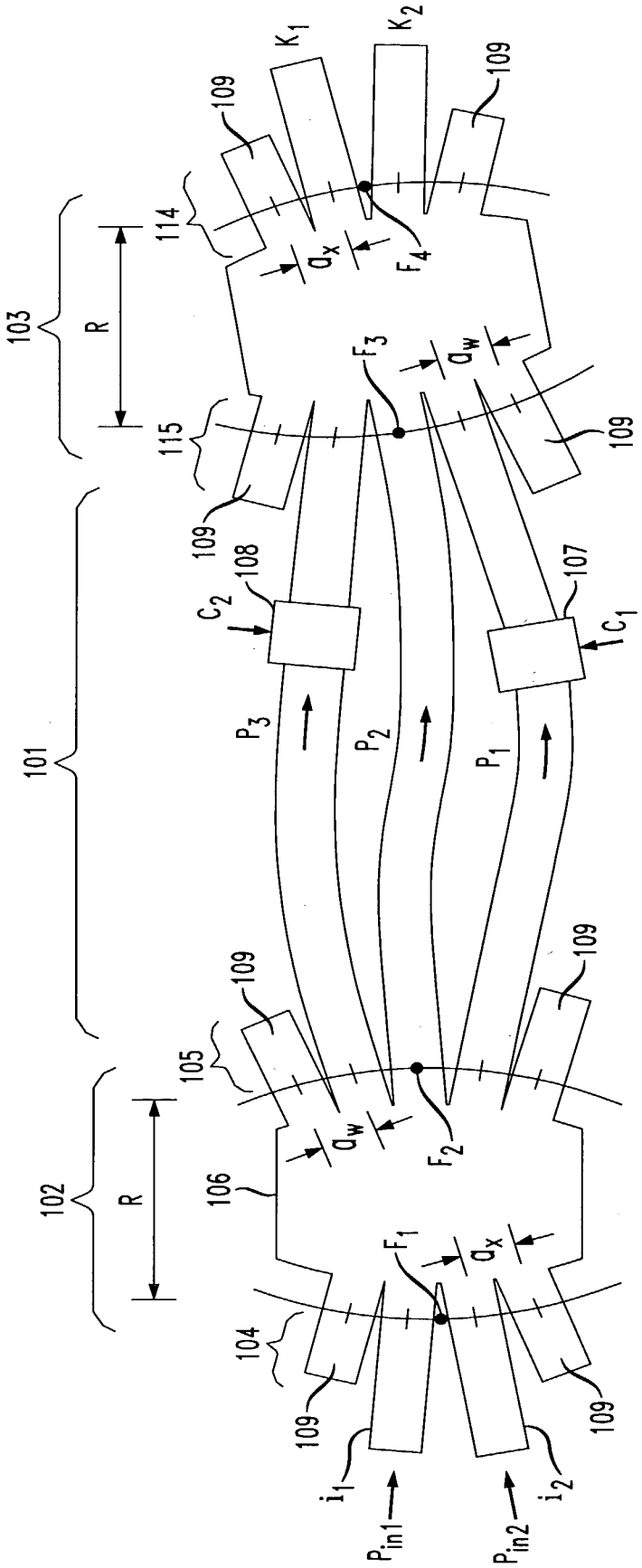

FIG. 1

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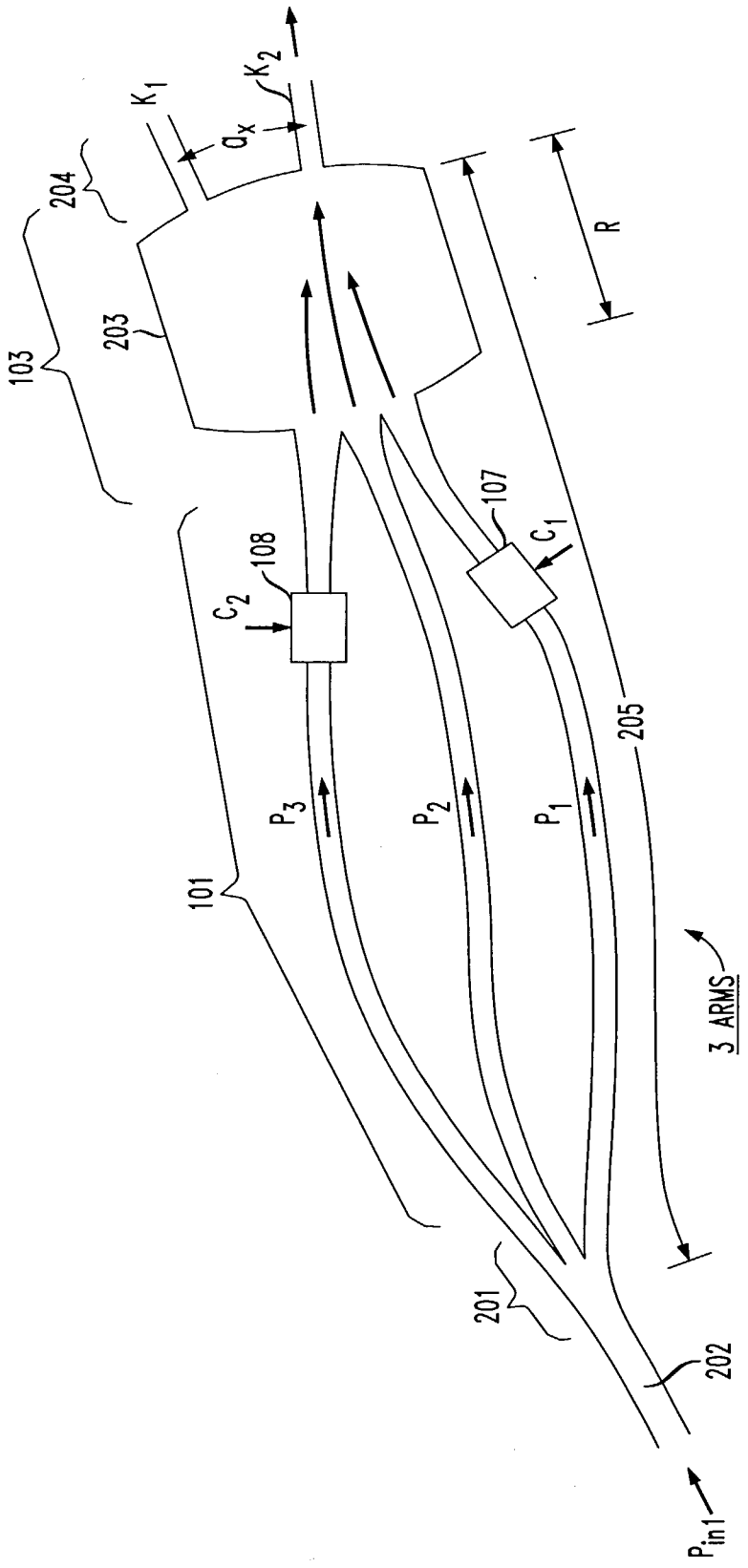

FIG. 2

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FIG. 3A

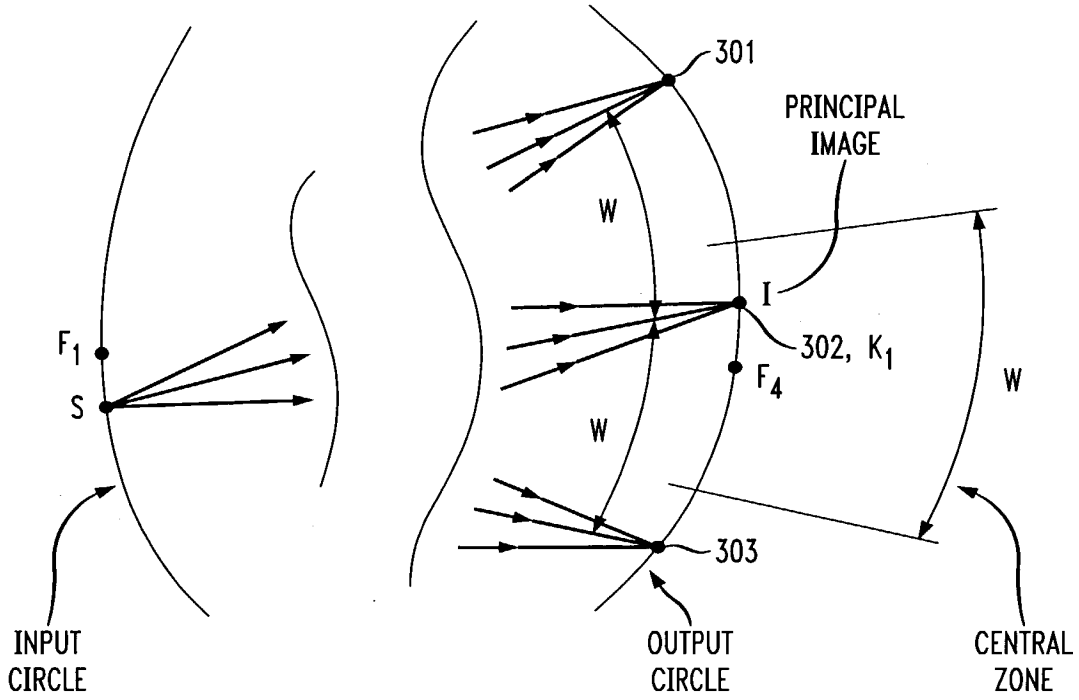

FIG. 3B

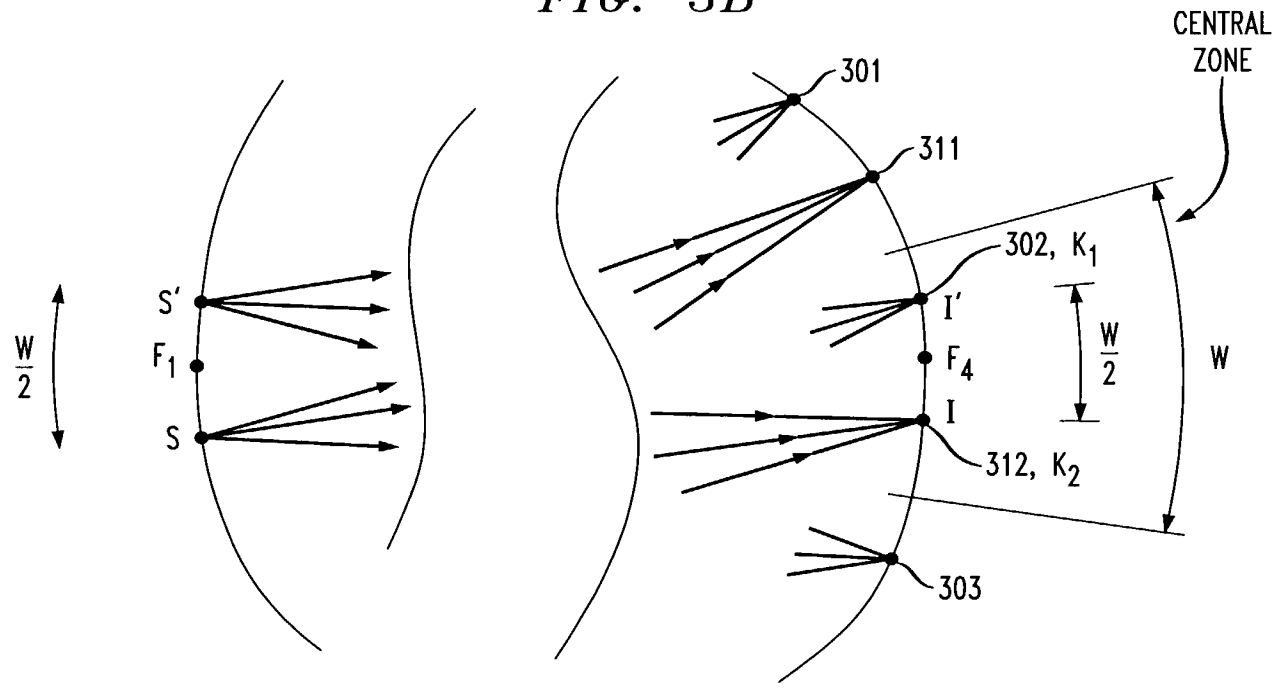

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FIG. 4

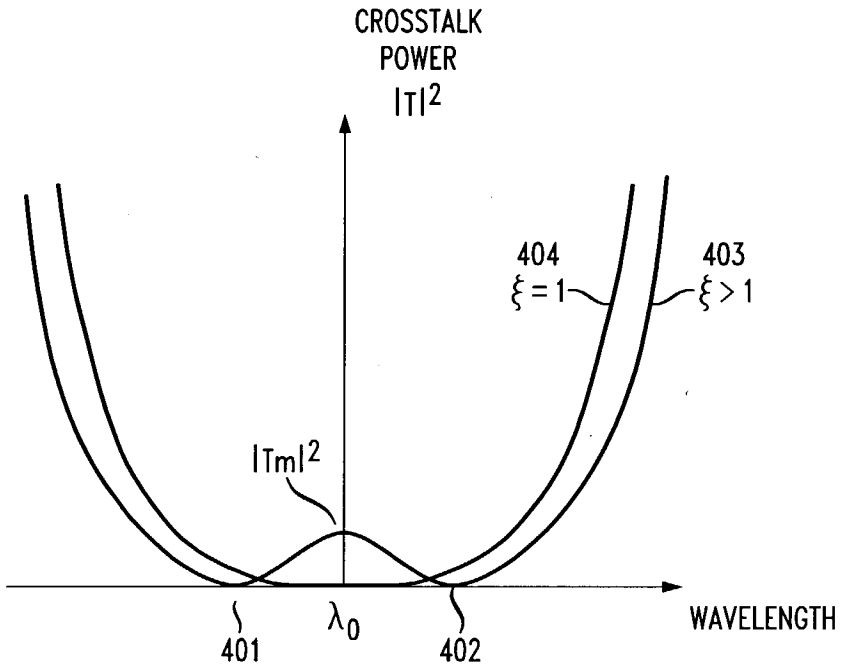

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FIG. 5A

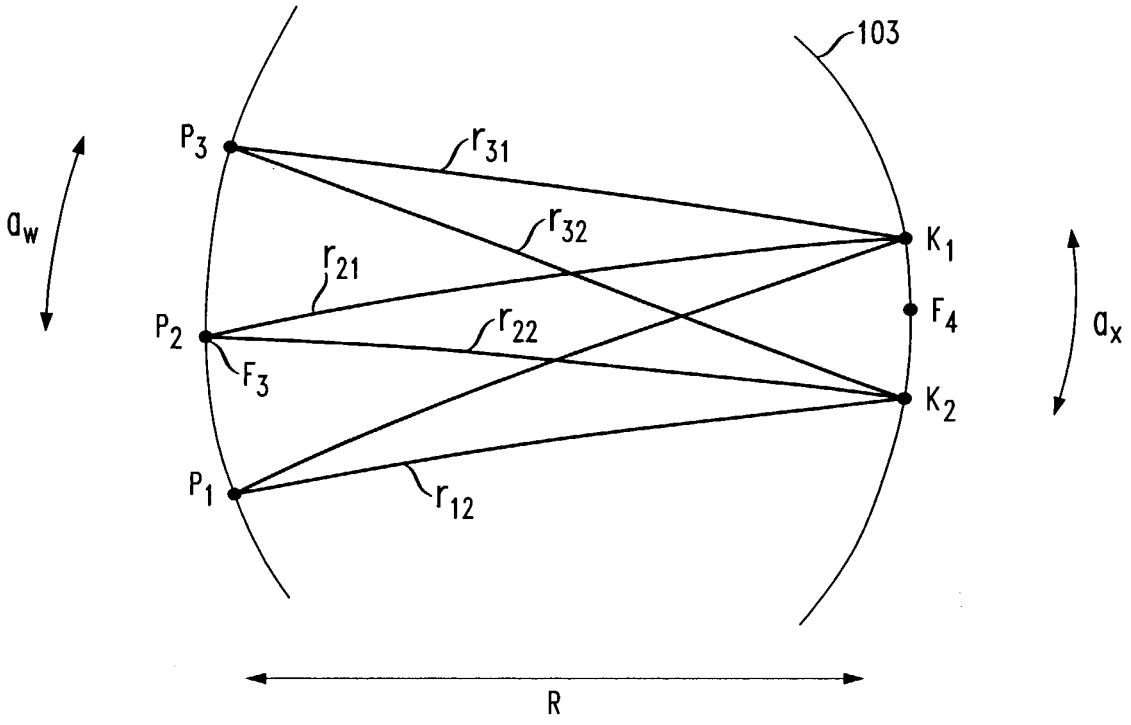

FIG. 5B

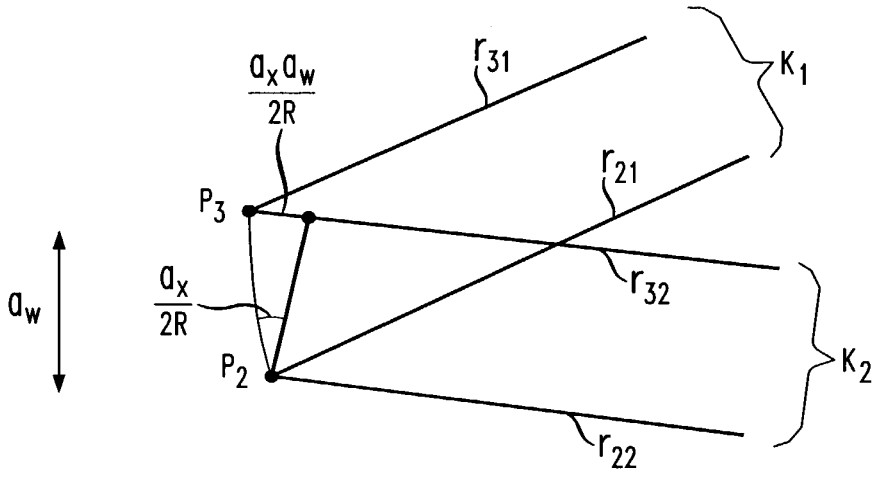

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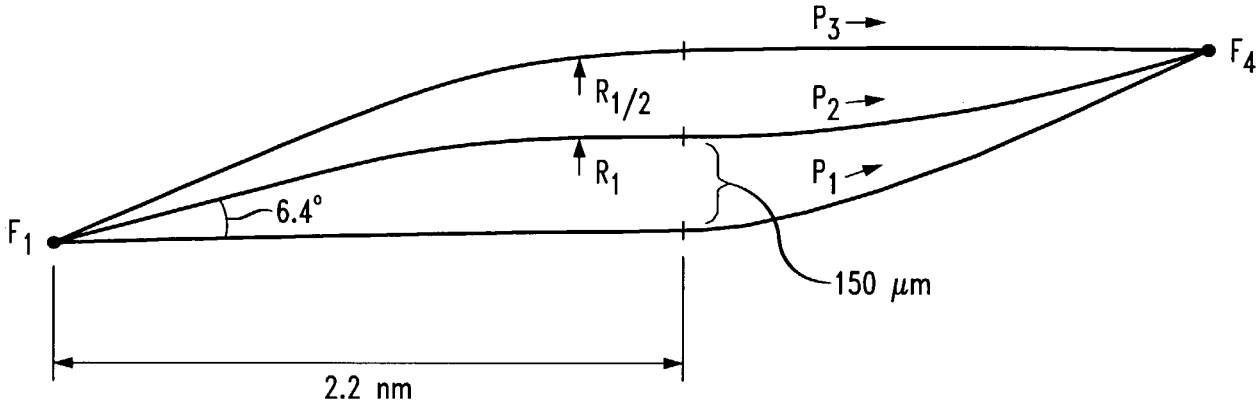
FIG. 6



$R_1 = 30$ nm

$a = 5$ μm

$R = 90$ μm

$\lambda_0 \simeq 1$ μm

$n_0 = 1.445$ (GLASS)

$\Delta n \simeq 0.65\%$

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FIG. 7A

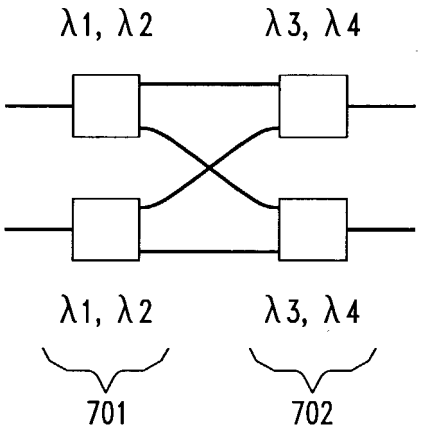

FIG. 7B

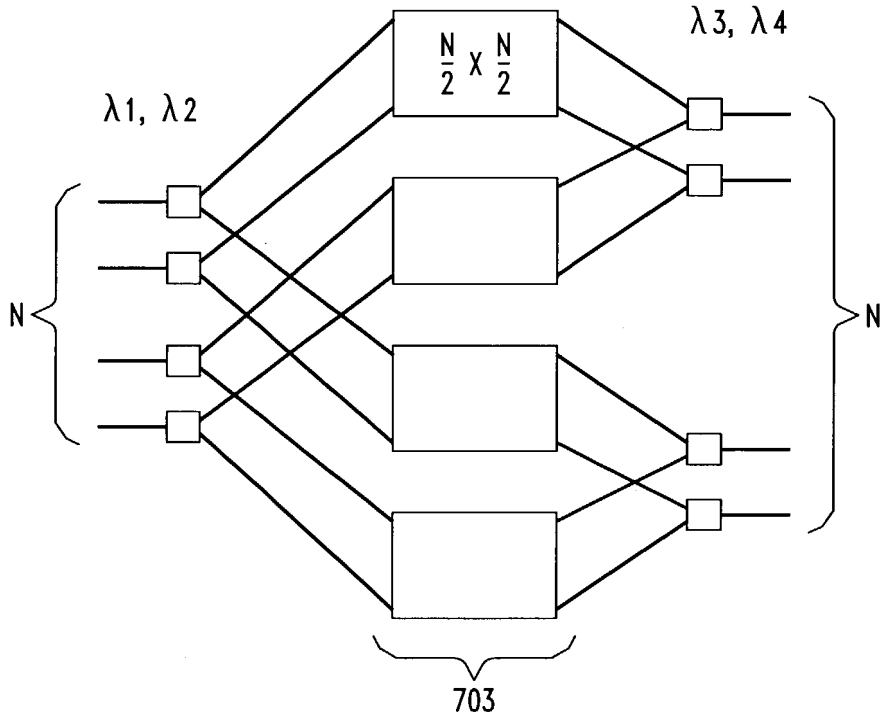

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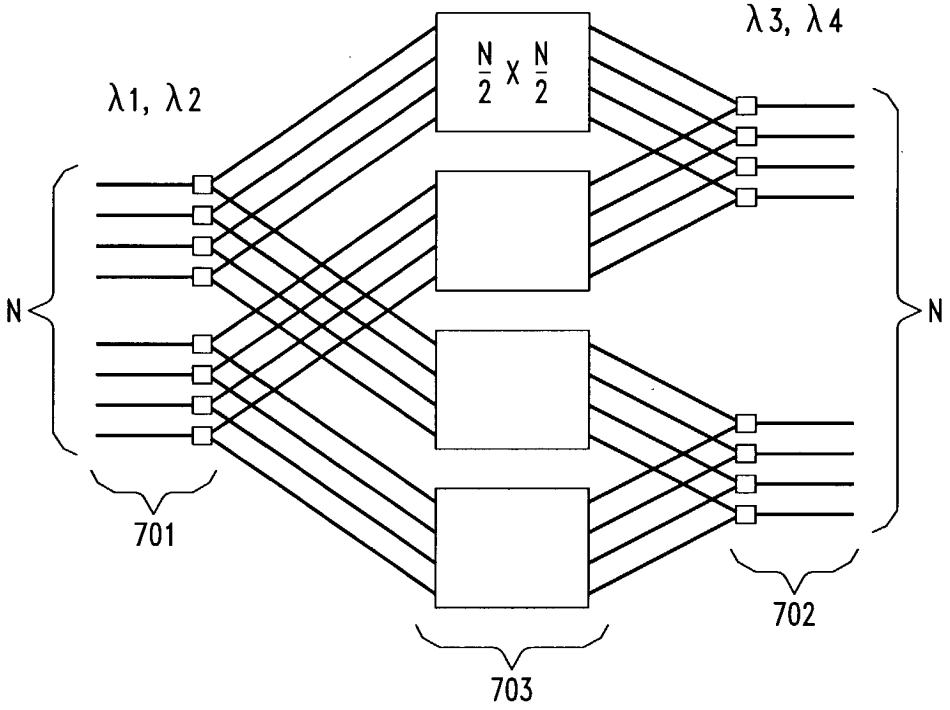
FIG. 7C



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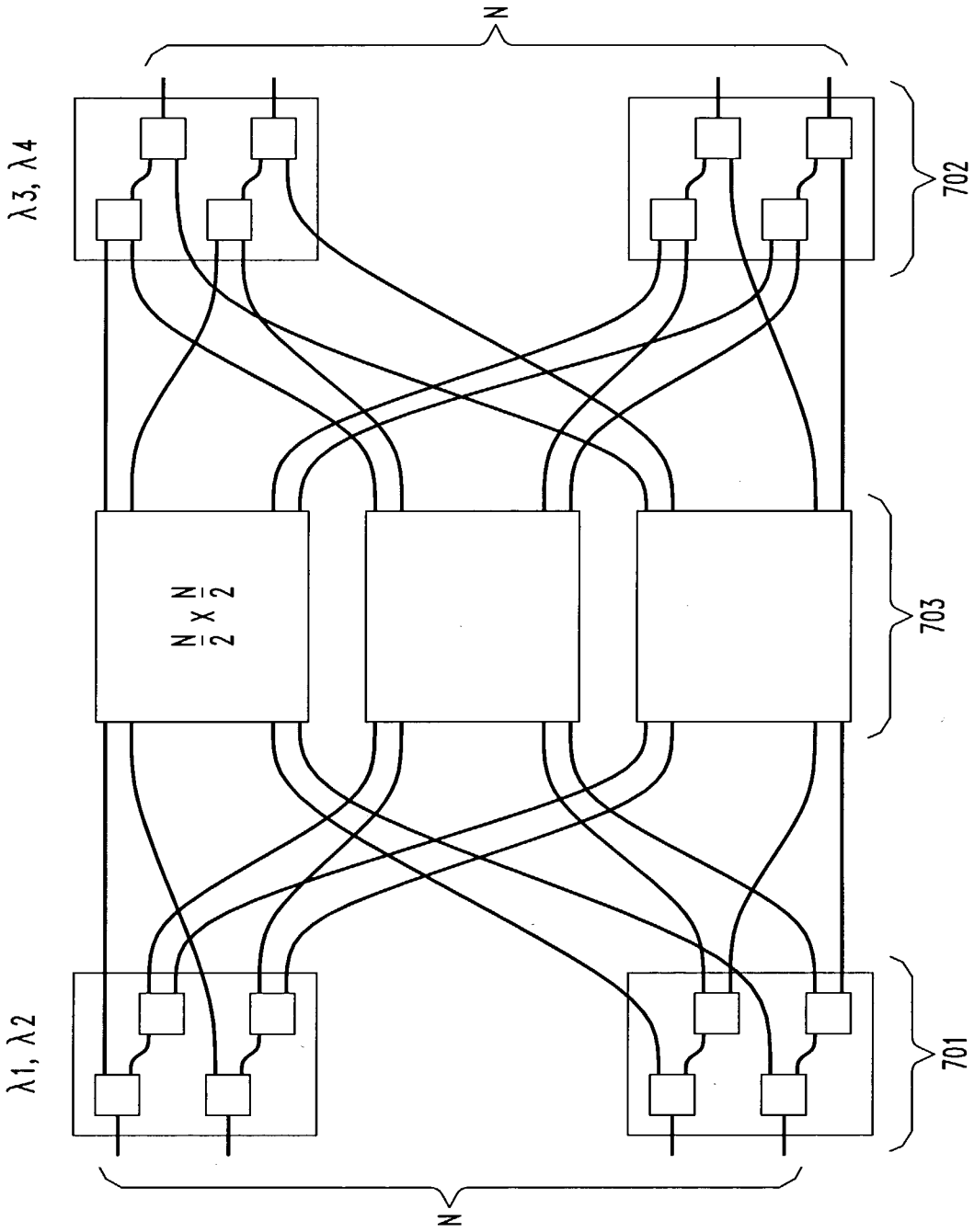

FIG. 7D

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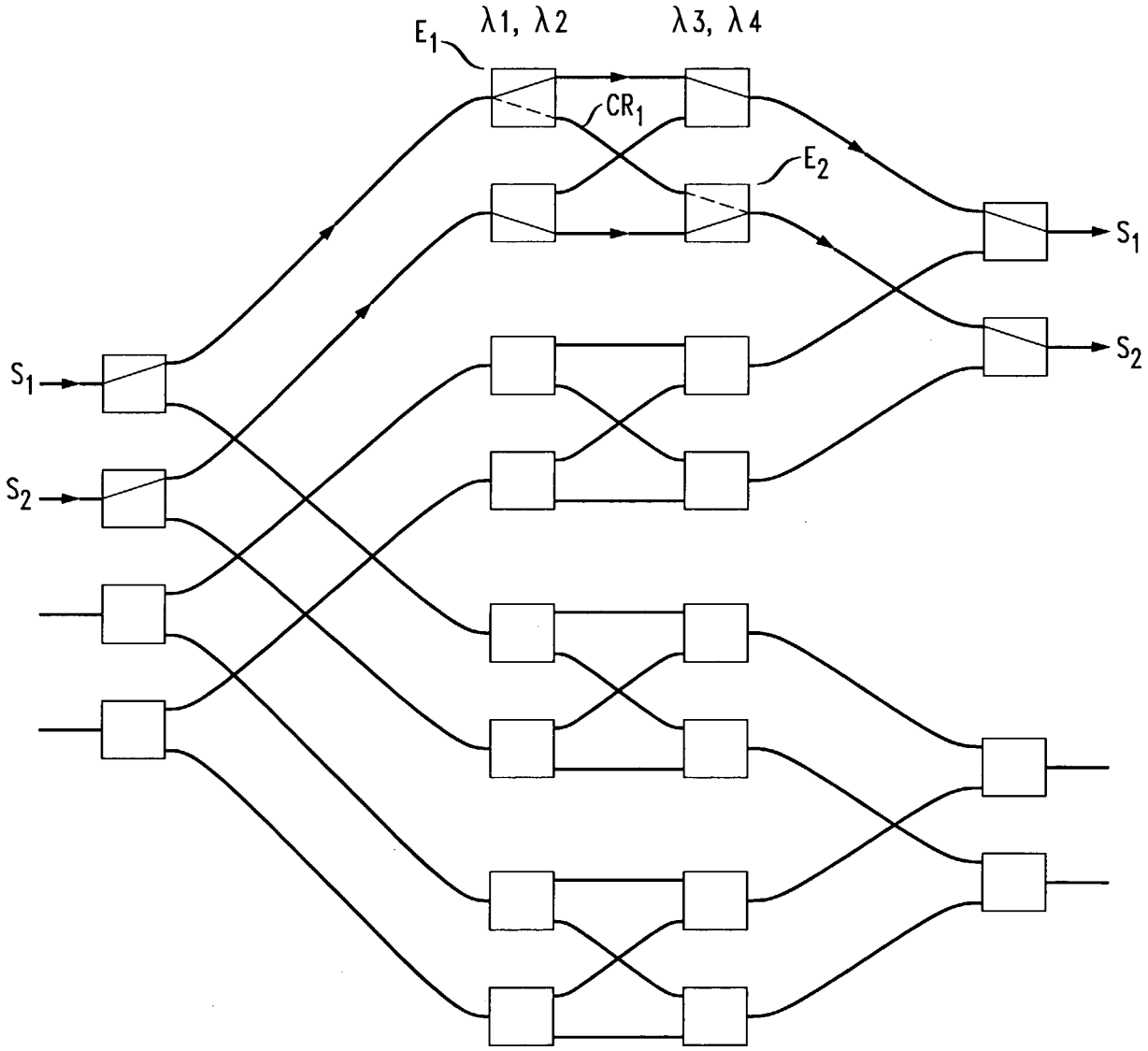
FIG. 7E



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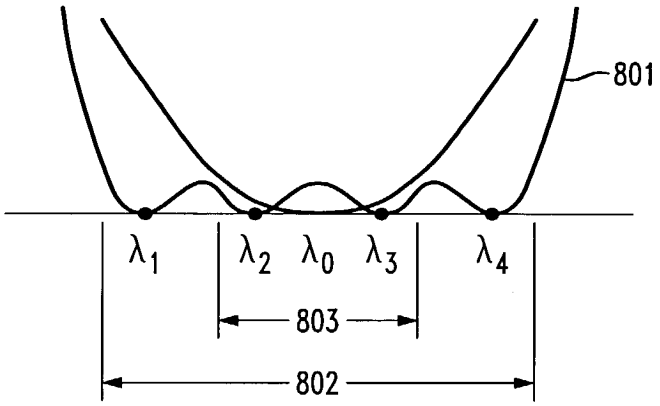
FIG. 8